

# EUROPEAN PATENT OFFICE

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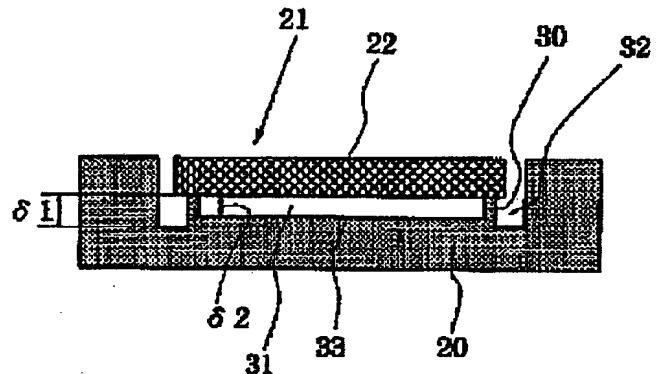
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TITLE : SUSCEPTOR FOR PHASE GROWTH APPARATUS



**ABSTRACT :** PURPOSE: To provide a susceptor for a gas phase growth apparatus capable of reducing deformation of a semiconductor wafer and heating the same uniformly.

CONSTITUTION: In a susceptor 20 for a gas phase growth apparatus including a circular counterbore part 21 for supporting a flat portion of a semiconductor wafer 22, there is provided an annular protrusion 30 concentric with the circular counterbore part 21. The center line of the annular protrusion 30 is located in the range of 65-75% of the radius of the counterbore part 21, and recessed cross section portions are formed inside and outside the annular protrusion 30. The depth δ1 of the outer recessed portion 32 is 1.2-2.0 times the depth δ2 of the inner recessed portion.

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